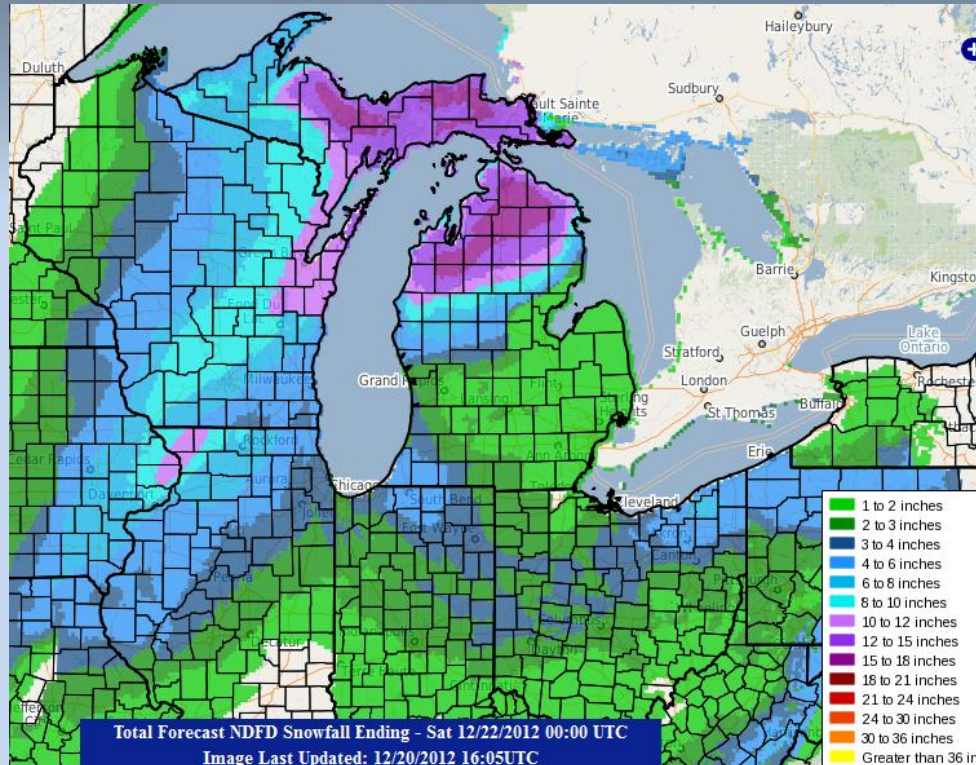




Snow and Winds Tonight and Friday

Slide #1



Blues and purple = heavier snow potential

Event Summary

Some Snow / Very Strong Winds

Tonight and early Friday

**West central Lower MI /
lakeshore**

Created: Thursday, December 20, 2012 – 100 PM

NOAA National Weather Service - Grand Rapids, Michigan

Website: <http://www.weather.gov/grandrapids>

Email: w-grr.webmaster@noaa.gov

Phone: 616-949-0643



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Winter Hazard Risk Assessment



Slide #2

Extreme

High

Moderate



Low

Weather Like this is
Common

Typically Associated With
Some Disruption to Daily Life

Threat to Life and Property
Sometimes threatening

Usual Recovery Time
Near When Weather Hazard Ends

Extreme:

- Historic Weather – Once Every 20+ years
- Extremely Threatening to Life/Property
- Total disruption of daily life
- Recovery Time: days or weeks

High:

- Rare Weather – 1 to 3 Times a Year
- Often Life Threatening
- Widespread disruption of daily life
- Recovery Time: 1 to 3 days

Moderate:

- Common Weather Hazard/Event
- Sometimes directly life threatening
- Some disruption of daily life
- Recovery Time: Near/Before weather ends



Confidence and Potential Impacts



Slide #3

Confidence this
Weather Will Occur

High

Medium



Low

Road Conditions

- Deteriorating again tonight as rain changes to snow
- Little change in road temperatures through Friday
- Slushy roads where snow has fallen today
- Slushy roads Friday with temps steady in low 30s during day

Commutes
Affected

- Friday AM commute impacted
- Slick roads and slowed travel especially Musk./Mt.Pleasant north

Additional
Potential Impacts

- Strong wind gusts in the 45 to 55 mph range, greatest along shore
- Reduced visibilities in blowing snow

Power Outage
Potential

High

Medium



Low

Blowing/Drifting
Potential

High

Medium



Low

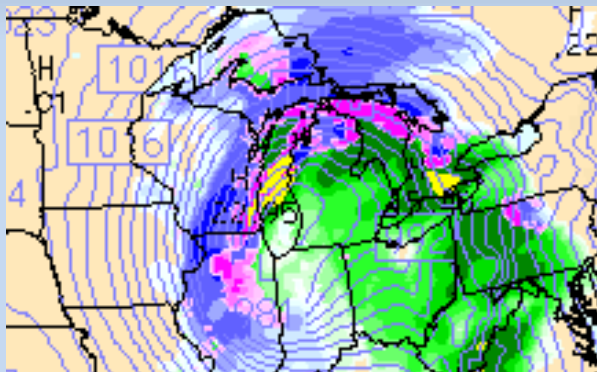


Timing of Winter Weather

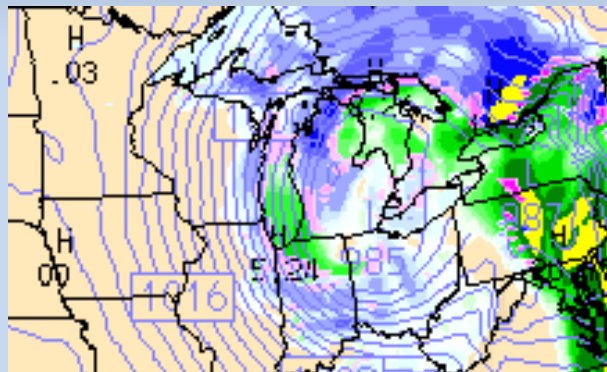


Slide #4

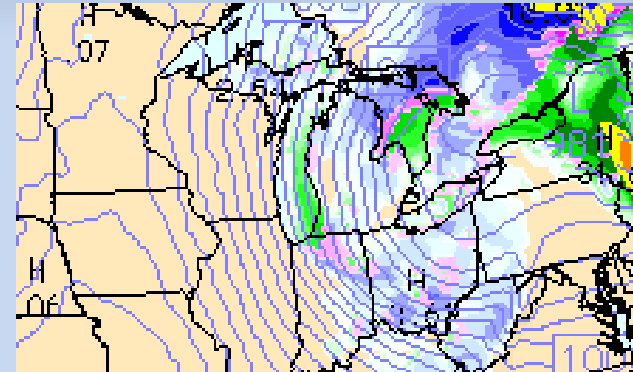
Weather Radar Forecast
Thursday 7pm



Weather Radar Forecast
Friday 4am



Weather Radar Forecast
Friday 10am



Beginning	<ul style="list-style-type: none">• Most areas stay rain through this evening• Rain changes to snow from NW to SE tonight into Friday morning
Heaviest	<ul style="list-style-type: none">• Heaviest snow is expected between 12am Friday – 12pm Friday
Ending	<ul style="list-style-type: none">• Snow will wind down Friday afternoon

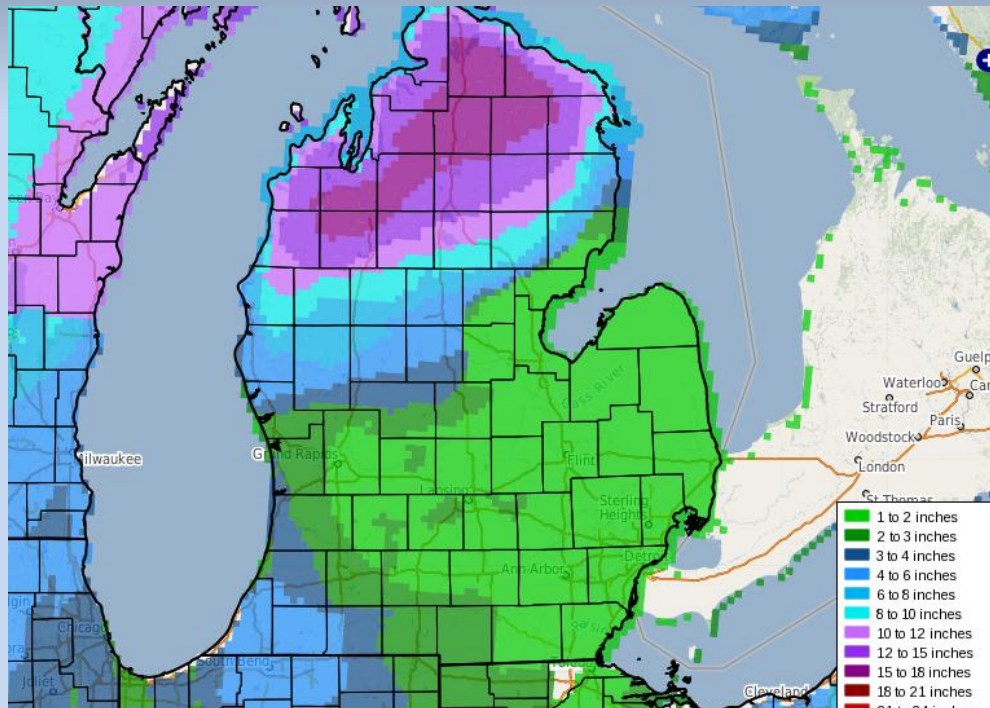


Storm Total Snowfall

Tonight through early Friday



Slide #5



Potential snow total through Friday
(in inches)

Additional Snow Accumulation

- 3 to 5" : north of Muskegon to Mt. Pleasant line
- 1-3" along lakeshore from Muskegon south
- An inch or two away from the lakeshore

Max Snowfall Rate

- Up to 1 inch per hour possible

Type of Snow

Wetter in nature

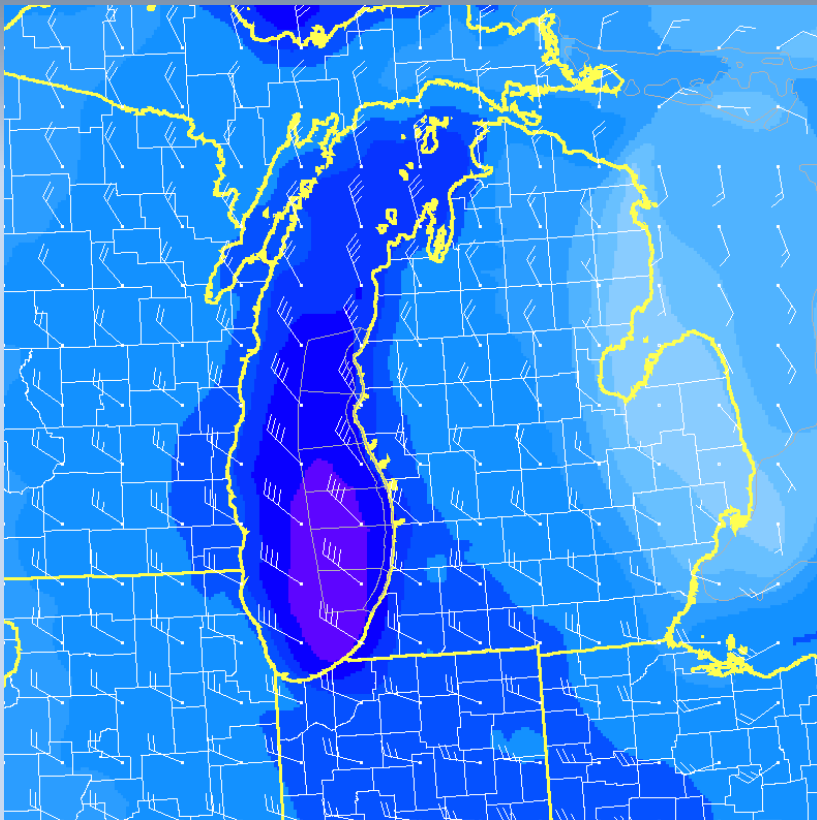


Additional Hazards



Slide #6

Through early Friday afternoon



Gusts

-From 45 mph to 55 mph in dark blue/purple

Wind Direction and Wind Speed

Strongest winds start Friday morning

From the Northwest 20 to 30 mph with gusts to 45 mph inland, 55 mph near lakeshore

Visibility

- Reduced in snow showers
- Generally above 1 mile

Ice Accumulation

- None Expected



Slide #7

Event Summary



- Highest impact along U.S. 10 and lakeshore
- Strong wind gusts in the 45-55 mph range expected
- Additional 3"-5" north of Muskegon-Mt. Pleasant line
- 1"-3" along lakeshore from Muskegon south
- Inch or two elsewhere
- Friday morning commute impacted
- Improving conditions Friday afternoon and evening



For Additional Information



Slide #8



Winter Weather Briefing Slides
www.weather.gov/grandrapids/webinars

Regional Weather Radar Loop
www.weather.gov/radar

Additional Winter Forecast Information
<http://go.usa.gov/RE6>

Hazard Summary Page
www.crh.noaa.gov/hazards/grr

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